



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

HWD Acquisition, Inc. dba Hurd Windows & Doors
575 South Whelen Avenue
Medford, WI 54451

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Feel Safe Energy Saver Direct Set" Aluminum Clad Wood Fixed Window -- L.M.I.

APPROVAL DOCUMENT: Drawing No. 1515, titled "Feel Safe Energy Saver Clad Direct Set Impact Windows", sheets 1 through 5 of 5, dated 02/13/07, with revision B1 dated 12/18/14, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 11-1021.17 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



Handwritten signature and date:
3/24/15

NOA No. 14-1224.04
Expiration Date: June 07, 2017
Approval Date: April 02, 2015
Page 1

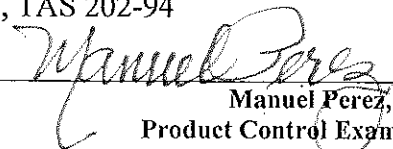
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1515**, titled "Feel Safe Energy Saver Clad Direct Set Impact Windows", sheets 1 through 5 of 5, dated 02/13/07, with revision B1 dated 12/18/14, prepared by W. W. Schaefer Engineering & Consulting, P.A, signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a Feel Safe Energy Saver clad direct set window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTC-180-7143.1**, dated 05/26/06, signed and sealed by Thomas Kolden, P.E.
(Submitted under NOA# 07-0329.03)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a Feel Safe Energy Saver clad direct set window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTC-180-7143.2**, dated 05/26/06, signed and sealed by Thomas Kolden, P.E.
(Submitted under NOA# 07-0329.03)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a Feel Safe Energy Saver clad direct set windows mulled together, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTC-180-7144**, dated 06/22/06, signed and sealed by Thomas Kolden, P.E.
(Submitted under NOA# 07-0329.03)
4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94


Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-1224.04
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B. TESTS (CONTINUED)

4) Large Missile Impact Test per FBC, TAS 201-94

5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of a Feel Safe Energy Saver clad direct set windows muller together, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTC-180-7249**, dated 12/12/06, signed and sealed by Thomas Kolden, P.E.

(Submitted under NOA# 07-0329.03)

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC-2007 and 2010, dated 02/27/07, and updated on 10/04/11, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
(Submitted under previous NOA# 11-1021.17)

2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

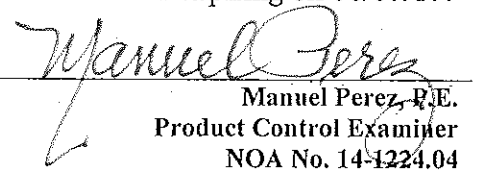
1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **14-0423.15** issued to **Eastman Chemical Company (MA)** for their "**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 06/19/14, expiring on 12/11/18.
3. Notice of Acceptance No. **14-0423.17** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 06/19/14, expiring on 05/21/16.

F. STATEMENTS

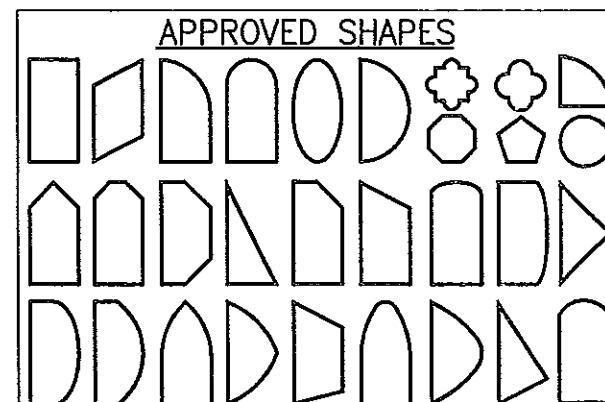
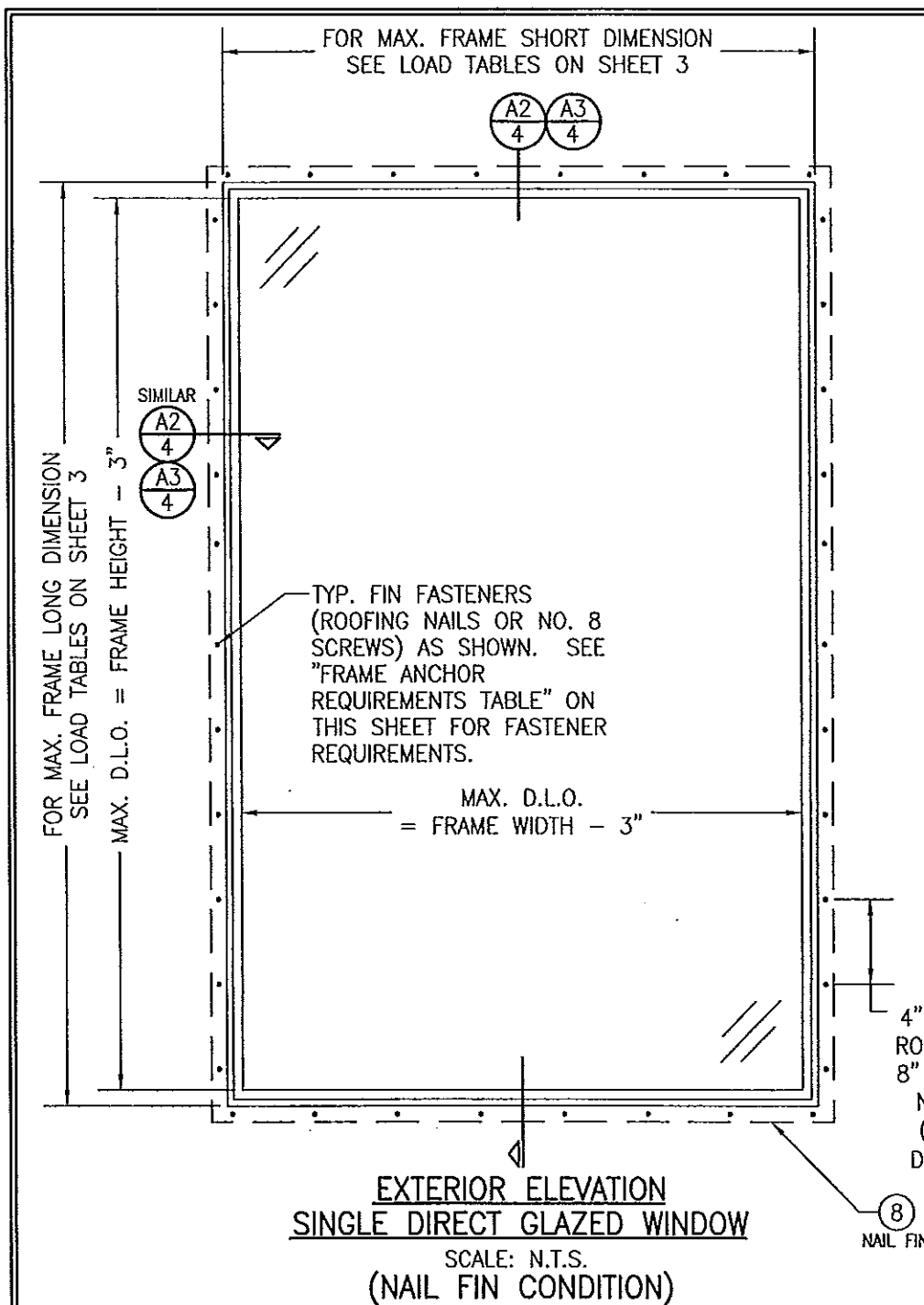
1. Statement letter of conformance, complying with **FBC-2010** and **FBC-5th Edition (2014)**, dated December 18, 2014, issued by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated December 18, 2014, issued by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

G. OTHERS

1. Notice of Acceptance No. **11-1021.17**, issued to HWD Acquisition, Inc. dba Hurd Windows & Doors for their Series "Feel Safe Energy Saver Direct Set" Aluminum Clad Wood Fixed Window – L.M.I., approved on 01/26/12 and expiring on 06/07/17.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-1224.04

Expiration Date: June 07, 2017
Approval Date: April 02, 2015

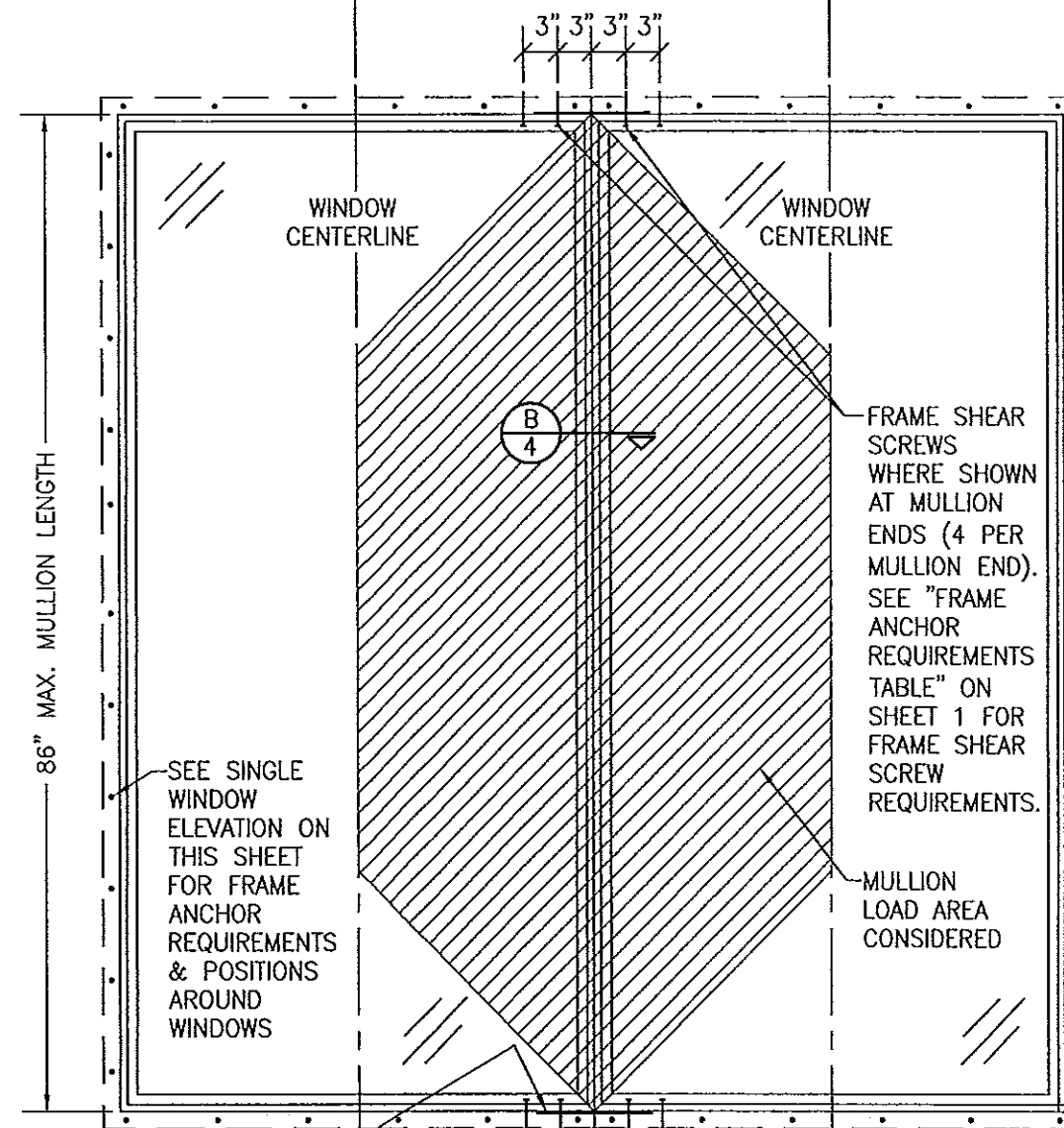


NOTES:
1. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN & HAVE CORNER CONSTRUCTION AS DESCRIBED ON THIS SHEET.
2. ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR UNITS & BE GOVERNED BY THE ALLOWABLE PRESSURE OF THE RESPECTIVE RECTANGULAR UNIT.

RECTANGULAR WINDOWS SHOWN.
ANCHORING OF SHAPED WINDOWS IS
THE SAME WITH REQUIRED ANCHOR
SPACING ALONG THE FRAME
CIRCUMFERENCE BEING THE SAME AS
SPECIFIED FOR A STRAIGHT FRAME.

SEE MULTIPLE UNIT NOTE 6 ON SHEET 1 FOR
ON BELOW FOR SPECIAL LOAD WIDTH CONDITIONS

SEE LOAD TABLE ON SHEET 3
FOR MAX. LOAD WIDTH



(FOR MULTIPLE WINDOW UNIT NOTES, SEE ELEVATION ON SHEET 1)

FRAME ANCHOR REQUIREMENTS TABLE

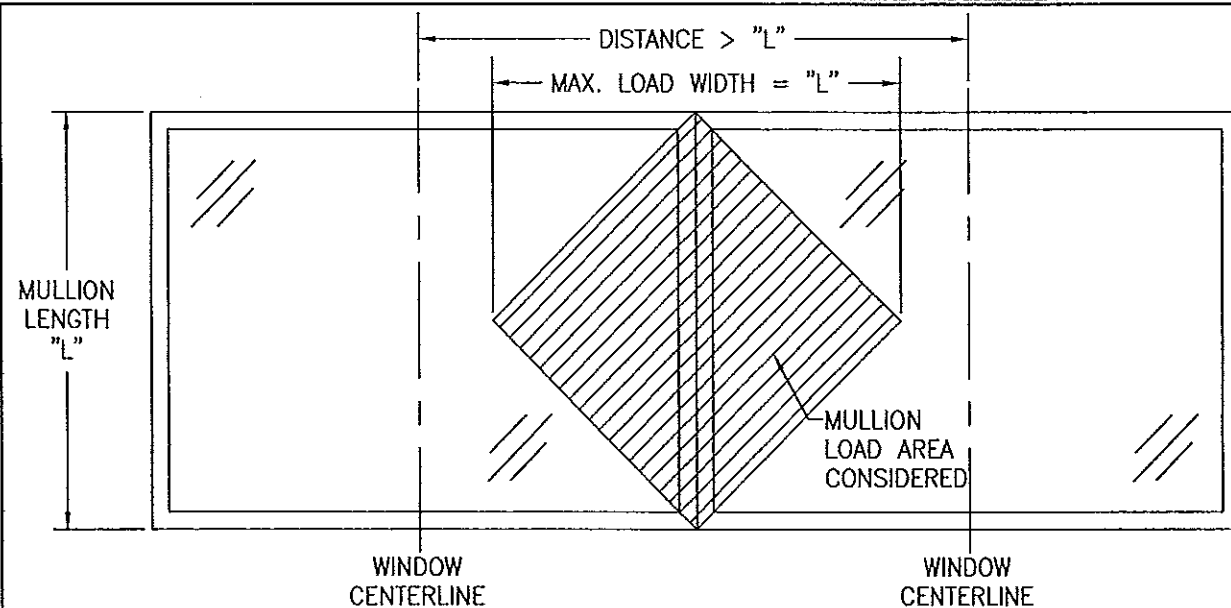
NAILING FIN & DRIP CAP

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/4" SMS	1 1/8"	1/2"
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	2" X 11 GA. ROOFING NAIL	1 7/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 14-1224-04
Expiration Date June 7, 2017
By *Manuel Perez*
Miami Dade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 02/13/07	
DATE	BY	REVISION	DESCRIPTION
DRAWING TITLE		FEEL SAFE ENERGY SAVER CLAD DIRECT SET IMPACT WINDOWS	
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		HWD ACQUISITION, INC. dba HURD WINDOWS & DOORS 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
CERTIFICATION		DEC 18 2014	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1515		REV. B	
SHEET NO. 2		OF 5	



**MULLED DIAGRAM WHEN DISTANCE BETWEEN WINDOW CENTERLINES EXCEEDS MULLION LENGTH
(SEE MULLION LOAD TABLE)
SEE OTHER ELEVATIONS FOR WINDOW DETAIL NOT SHOWN**

MULLION ALLOWABLE LOAD TABLE							
MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)					
		SHEAR SCREW MOUNT CONDITION				NAIL FIN MOUNT CONDITION	
		4 END FRAME SCREWS		6 END FRAME SCREWS		4 END FRAME SCREWS	
		POS.	NEG.	POS.	NEG.	POS.	NEG.
86	62	56.3	58.8	56.3	60.7	56.3	60.7
	60	57.4	59.7	57.4	61.9	57.4	61.9
	54	61.4	62.9	61.4	66.2	61.4	66.2
	50	65.0	65.7	65.0	70.0	65.0	70.0
	48	65.0	67.4	65.0	71.7	65.0	71.7
	42	65.0	73.4	65.0	78.2	65.0	78.2
	36	65.0	81.9	65.0	85.0	65.0	85.0
	34	65.0	85.0	65.0	85.0	65.0	85.0
84	62	59.6	61.0	59.6	64.1	59.6	64.1
	60	60.8	61.9	60.8	65.5	60.8	65.5
	54	64.4	65.1	64.4	69.4	64.4	69.4
	48	65.0	69.6	65.0	74.1	65.0	74.1
	42	65.0	75.8	65.0	80.7	65.0	80.7
78	36	65.0	84.4	65.0	85.0	65.0	85.0
	62	65.0	68.8	65.0	73.3	65.0	73.3
	60	65.0	69.6	65.0	74.1	65.0	74.1
	54	65.0	72.8	65.0	77.5	65.0	77.5
72	48	65.0	77.3	65.0	82.4	65.0	82.4
	42	65.0	83.7	65.0	85.0	65.0	85.0
	62	65.0	78.9	65.0	84.0	65.0	84.0
	60	65.0	79.5	65.0	84.7	65.0	84.7
66	54	65.0	82.5	65.0	85.0	65.0	85.0
	48	65.0	85.0	65.0	85.0	65.0	85.0

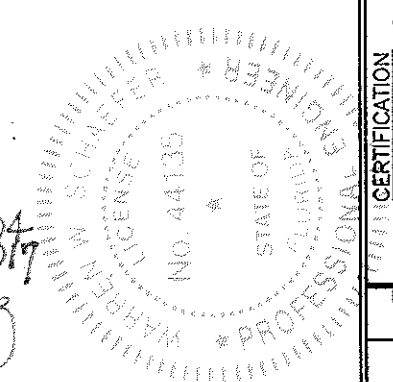
LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT ALLOWED FOR THE INDIVIDUAL WINDOW SHALL CONTROL AS ALLOWABLE FOR THE OVERALL UNIT.

ALLOWABLE SINGLE WINDOW DESIGN PRESSURE									
MAXIMUM FRAME LONG DIMENSION (IN.)	MAXIMUM FRAME SHORT DIMENSION (IN.)	ALLOWABLE PRESSURE (PSF)							
		GLASS OPTION 1 & 2		GLASS OPTION 3		GLASS OPTION 4 & 5		GLASS OPTION 6	
		POS	NEG	POS	NEG	POS	NEG	POS	NEG
144	42	65.0	85.0			65.0	85.0		
	30	65.0	85.0			65.0	85.0	65.0	70.0
	20	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
132	46	65.0	85.0			65.0	85.0		
	32	65.0	85.0			65.0	85.0	65.0	70.0
	22	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
120	48	65.0	85.0			65.0	85.0		
	36	65.0	85.0			65.0	85.0	61.9	61.9
	30	65.0	85.0			65.0	85.0	65.0	70.0
	24	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
108	54	65.0	85.0			65.0	85.0		
	36	65.0	85.0			65.0	85.0	65.0	65.0
	30	65.0	85.0			65.0	85.0	65.0	70.0
	27	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
98	62	65.0	85.0			65.0	85.0		
	42	65.0	85.0			65.0	85.0	58.4	58.4
	36	65.0	85.0			65.0	85.0	65.0	70.0
90	30	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
	62	65.0	85.0			65.0	85.0		
	48	65.0	85.0			65.0	85.0	58.5	58.5
	42	65.0	85.0			65.0	85.0	64.5	64.5
86	36	65.0	85.0			65.0	85.0	65.0	70.0
	32	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
	62	65.0	85.0			65.0	85.0		
	50	65.0	85.0			65.0	85.0	60.2	60.2
	48	65.0	85.0			65.0	85.0	61.8	61.8
78	42	65.0	85.0			65.0	85.0	65.0	67.7
	36	65.0	85.0			65.0	85.0	65.0	70.0
	34	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
	62	65.0	85.0			65.0	85.0		
72	54	65.0	85.0			65.0	85.0	65.0	65.3
	48	65.0	85.0			65.0	85.0	65.0	69.5
	42	65.0	85.0			65.0	85.0	65.0	70.0
	38	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
64	62	65.0	85.0			65.0	85.0		
	60	65.0	85.0			65.0	85.0	65.0	66.4
	54	65.0	85.0			65.0	85.0	65.0	70.0
	40	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0
64	62	65.0	85.0			65.0	85.0	65.0	70.0
	46	65.0	85.0	65.0	70.0	65.0	85.0	65.0	70.0

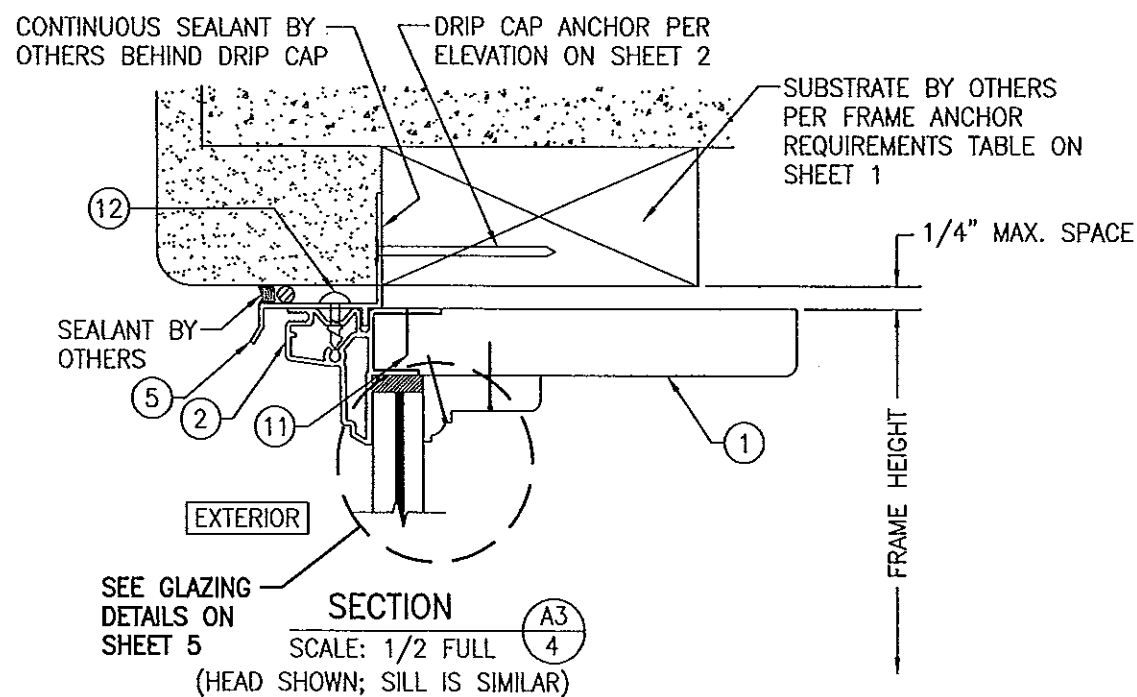
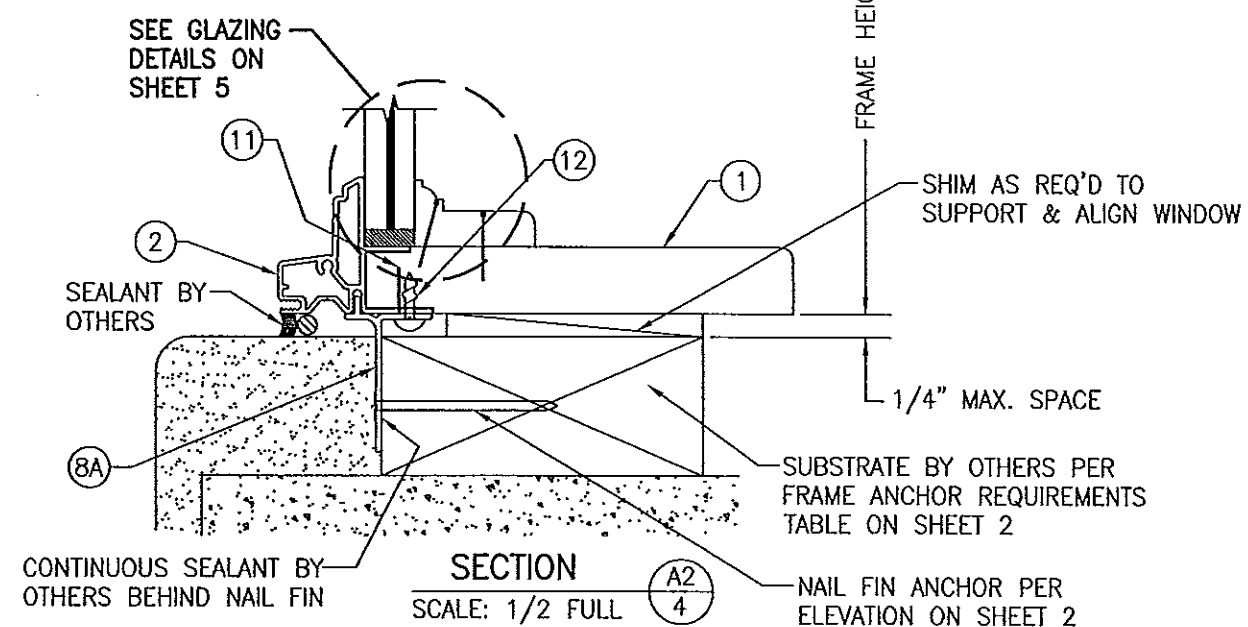
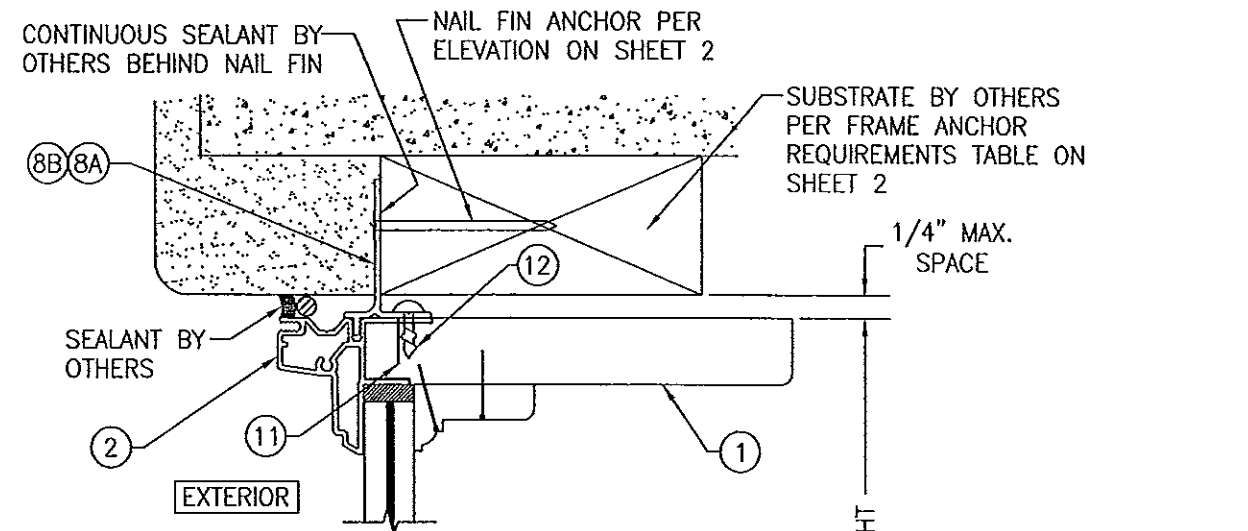
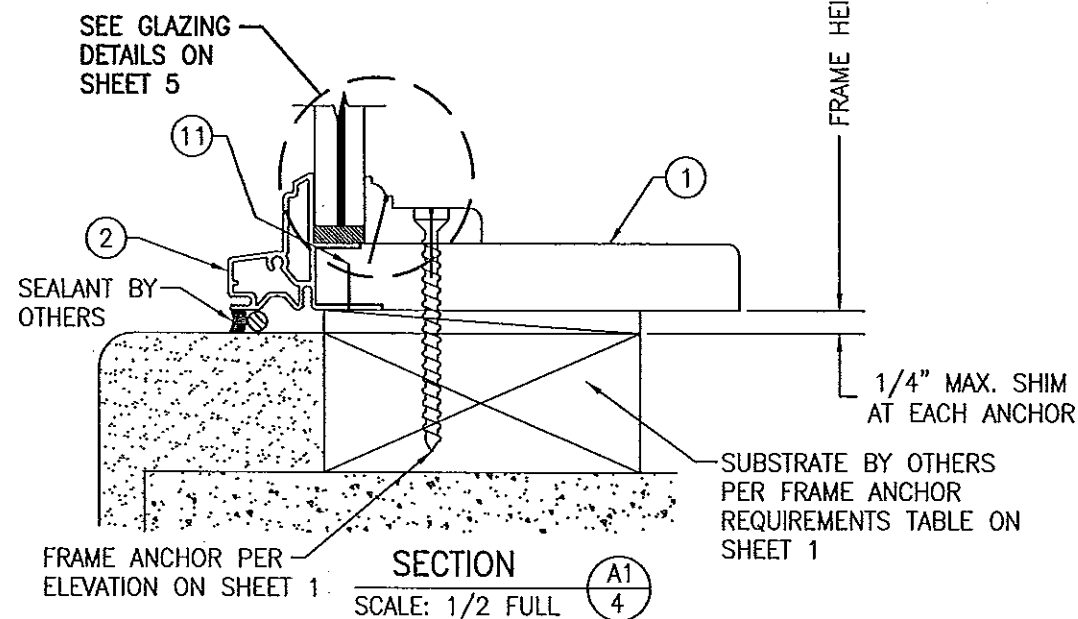
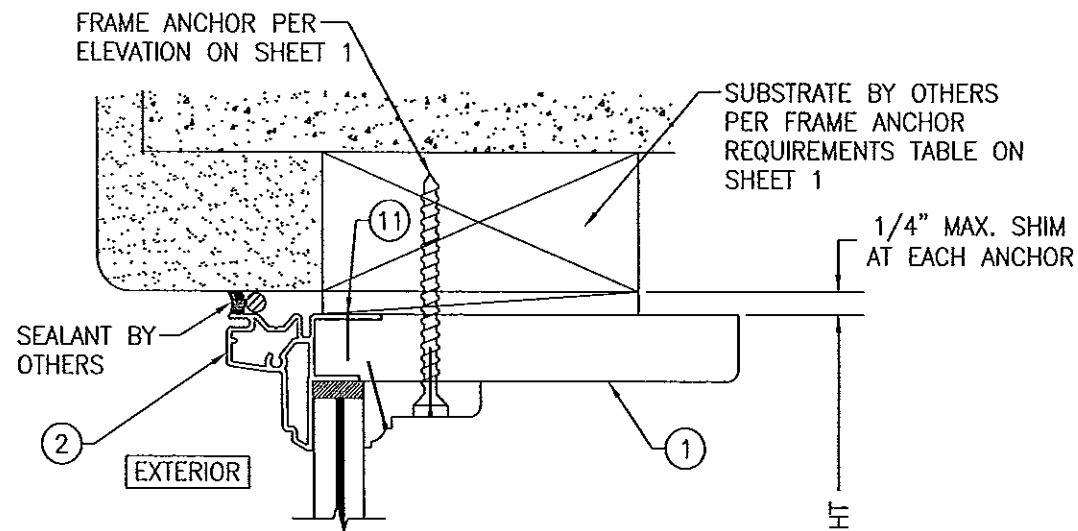
NOTES:

- SEE GLAZING DETAILS FOR GLAZING OPTIONS
- CROSSED OUT BOXES DESIGNATE SIZES NOT ACCEPTABLE FOR THE RESPECTIVE GLASS OPTION.

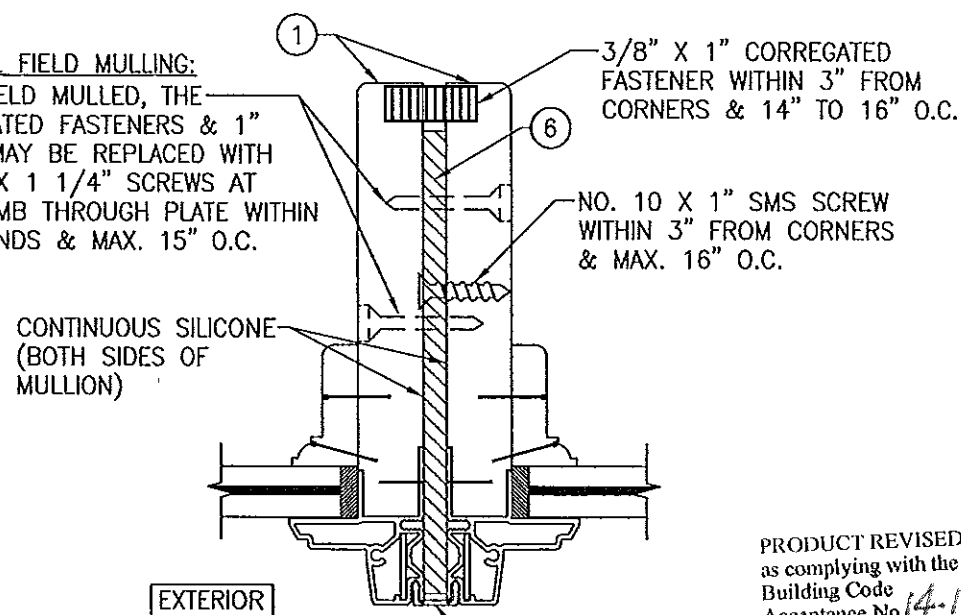
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PLOT: 1=16		DATE: 02/13/07	
DATE	BY	REVISION	DESCRIPTION
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CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		P.E. NO. 44135	
CERTIFICATION: DEC 18 2014		REV. B	
DRAWING NO. 1515		SHEET NO. 3 OF 5	

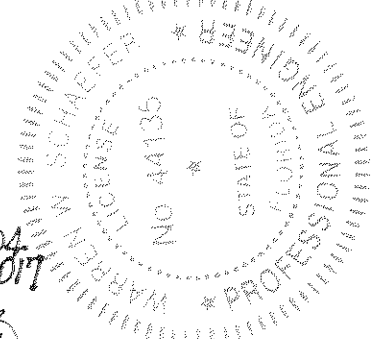


OPTIONAL FIELD MULLING:
WHEN FIELD MULLED, THE CORRUGATED FASTENERS & 1" SCREW MAY BE REPLACED WITH NO. 10 X 1 1/4" SCREWS AT EACH JAMB THROUGH PLATE WITHIN 4" OF ENDS & MAX. 15" O.C.



SECTION B
SCALE: 1/2 FULL
(FOR DETAILS NOT SHOWN SEE OTHER SECTIONS)

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CONSULTANTS	MANUFACTURER
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	HWD ACQUISITION, INC. dba HURD WINDOWS & DOORS 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873
CERTIFICATION	
DEC 18 2014	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1515	REV. B
SHEET NO. 4 OF 5	

